

# इंटरनेट

# मानक

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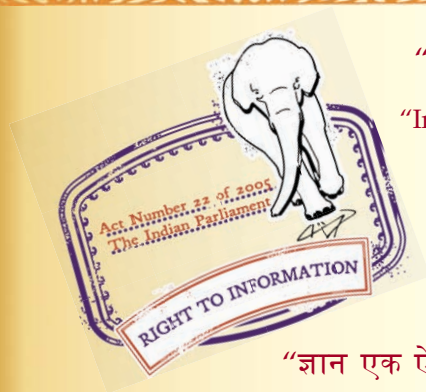
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“पुराने को छोड़ नये के तरफ”

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IS 5065 (1986): Meat Meal as Livestock Feed Ingredient [FAD  
5: Livestock Feeds, Equipment and Systems]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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IS : 5065 - 1986

*Indian Standard*  
SPECIFICATION FOR  
MEAT MEAL AS LIVESTOCK  
FEED INGREDIENT  
( *First Revision* )

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**BUREAU OF INDIAN STANDARDS**  
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NEW DELHI 110002

**Gr 2**

*June 1987*

*Indian Standard*  
**SPECIFICATION FOR  
 MEAT MEAL AS LIVESTOCK  
 FEED INGREDIENT**  
*( First Revision )*

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**AMENDMENT NO. 1 DECEMBER 1999**  
**TO**  
**IS 5065 : 1986 SPECIFICATION FOR MEAT MEAL AS**  
**LIVESTOCK FEED INGREDIENT**  
*( First Revision )*

*( Cover page, page 1, Title )* — Substitute the following for the existing title:

**‘SPECIFICATION FOR MEAT MEAL AS**  
**POULTRY FEED INGREDIENT’**

**( FAD 5 )**

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Reprography Unit, BIS, New Delhi, India



**AMENDMENT NO. 2 APRIL 2008  
TO  
IS 5065 : 1986 SPECIFICATION FOR MEAT MEAL AS  
POULTRY FEED INGREDIENT**

**( *First Revision* )**

(Page 3, clause 0.2, line 2) — Substitute 'poultry' for 'livestock' and wherever the word 'livestock' appears in the standard.

(FAD 5)

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Reprography Unit, BIS, New Delhi, India

*Indian Standard*  
**SPECIFICATION FOR  
MEAT MEAL AS LIVESTOCK  
FEED INGREDIENT**  
*( First Revision )*

**0. FOREWORD**

**0.1** This Indian Standard ( First Revision ) was adopted by the Indian Standards Institution on 28 November 1986, after the draft finalized by the Animal Feeds Sectional Committee had been approved by the Agricultural and Food Products Division Council.

**0.2** Meat meal is one of the important protein supplements used in livestock feed. This material, besides serving as a protein supplement, also provides minerals, particularly, calcium and phosphorus to the livestock. Meat meal is a by-product obtained from the dead animal rendering plants. In order to exercise proper quality control during their production, it is considered necessary to have standards for this product. It is expected that this standard would also assist the consumer to procure meat meal of a known quality.

**0.3** This standard was first published in 1969. In this revision moisture content has been reduced. Further, reference has been given to IS : 7874 ( Part 1 )-1975\* and IS : 7874 ( Part 2 )-1975† for adopting uniform test methods. Title of this standard has also been revised.

**0.4** In the preparation of meat meal the carcasses of dead animals, which may or may not have been deboned, are first boiled in open cauldrons or in closed vessels, and then dried in steam jacketed vessels. The dried material is then pulverized.

**0.5** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960‡. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

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\*Methods of tests for animal feeds and feeding stuffs: Part 1 General methods.

†Methods of tests for animal feeds and feeding stuffs: Part 2 Minerals and trace elements.

‡Rules for rounding off numerical values ( revised ).

IS : 5065 - 1986

## 1. SCOPE

1.1 This standard prescribes the requirements, and methods of sampling and test for meat meal meant for use as a livestock feed ingredient.

## 2. REQUIREMENTS

2.1 **General** — Meat meal shall be coarse, deep brown coloured powdery material. The material shall be free from adulterants and visible insect and fungal infestation. Meat meal shall be free from odour indicative of rancidity or any other objectionable odour but shall possess an odour characteristic of these products.

2.2 **Freedom from Pathogens** — Meat meal shall be free from spores of *Bacillus anthracis*, *Clostridium* sp and *Salmonella* when tested according to the method prescribed in 4, 5, 6 and 9 of IS : 7874 ( Part 3 )-1975\*.

2.3 Meat meal shall also conform to the requirements prescribed in Table 1.

TABLE 1 REQUIREMENTS FOR MEAT MEAL AS LIVESTOCK FEED INGREDIENT

Sl No.	CHARACTERISTIC	REQUIREMENT	METHOD OF TEST, REF TO CL No. IN	
			IS : 7874 ( Part 1 )- 1975*	IS : 7874 ( Part 2 )- 1975†
(1)	(2)	(3)	(4)	(5)
i)	Moisture, percent by mass, <i>Max</i>	8.0	4	—
ii)	Crude protein ( $N \times 6.25$ ), percent by mass, <i>Min</i>	70.0	5	—
iii)	Crude fat, percent by mass, <i>Max</i>	6.0	7	—
iv)	Phosphorus ( as P ), percent by mass, <i>Max</i>	1.0	—	6
v)	Acid insoluble ash, percent by mass, <i>Max</i>	1.0	10	—

NOTE — The requirements for items(ii) to (v) are on moisture free basis.

\*Methods of test for animal feeds and feeding stuffs: Part 1 General methods.

†Methods of test for animal feeds and feeding stuffs: Part 2 Minerals and trace elements.

\*Methods of tests for animal feeds and feeding stuffs: Part 3 Microbiological methods.

### 3. PACKING AND MARKING

**3.1 Packing** — The material shall be packed in moisture-proof bags or HDPE bags or in any other suitable container subject to the agreement between the purchaser and the vendor. The container shall be sound, clean and free from casual agents of infectious diseases and parasites. The mouth of each bag shall either be machine-stitched or rolled over and hand-stitched with strong twine.

**3.2 Marking** — Each bag shall be marked with the following information:

- a) Name of the material;
- b) Name of the manufacturer;
- c) Net mass in kg, when packed; and
- d) Batch or code number.

**3.2.1** The bags may also be marked with the Standard Mark.

**NOTE** — The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder. The Standard Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well defined system of inspection, testing and quality control which is devised and supervised by BIS and operated by the producer. Standard marked products are also continuously checked by BIS for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

### 4. SAMPLING

**4.1** Representative samples of the material for test shall be drawn according to the method prescribed in Appendix C of IS : 2052-1979\*.

### 5. TESTS

**5.1** The tests shall be carried out as referred to in col 4 and 5 of Table 1 and 2.2.

**5.2 Quality of Reagents** — Unless specified otherwise, pure chemicals and distilled water ( *see* IS : 1070-1977† ) shall be employed in tests.

**NOTE** — 'Pure chemicals' shall mean chemicals that do not contain impurities which affect the results of analysis.

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\*Specification for compounded feeds for cattle ( *third revision* ).

†Specification for water for general laboratory use ( *second revision* ).

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